



# FortiAuthenticator 3000F

FAC-3000F

# Before you begin

Register your device to access FortiGuard updates, cloud management, firmware upgrades, technical support and warranty coverage.

<http://support.fortinet.com>



March 18, 2022

This guide covers models: FAC-3000F

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# The Essentials

## Default Logins



<https://192.168.0.99>  
Username: **admin**  
Password: **leave blank**

## Admin Guide

For a detailed Getting Started guide, setup and configuration information, refer to the Admin Guide on <https://docs.fortinet.com/>

## Customer Service

For contracts, licensing, product registration and account management, contact FortiCare Support at <https://www.fortinet.com/support/contact>

## Self-service Resources

Access our knowledge base, forums, videos and technical experts at <https://www.fortinet.com/support/support-services/forticare-support>

Thank you for choosing Fortinet

# Package Contents

**FortiAuthenticator 3000F**  
FAC-3000F



FortiAuthenticator Device



QuickStart Guide



2x AC Power Cables



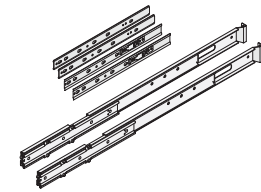
1x Console Cable



1x Ethernet Cable



2x Slide Rail Handles



1x Rail Mount Kit



8x M3 Slide Rail  
Handle Screws



10x M4 Waffle  
Head Screws

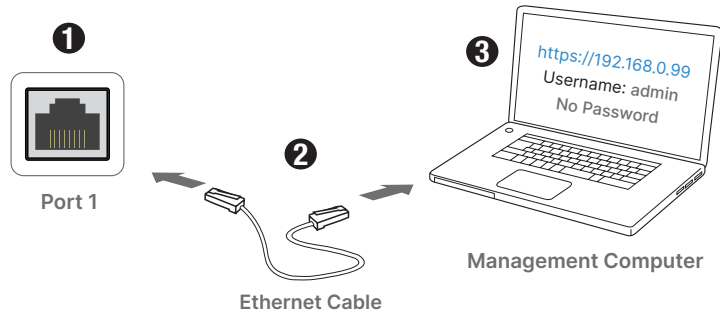


2x HDD Keys

# Setup Options

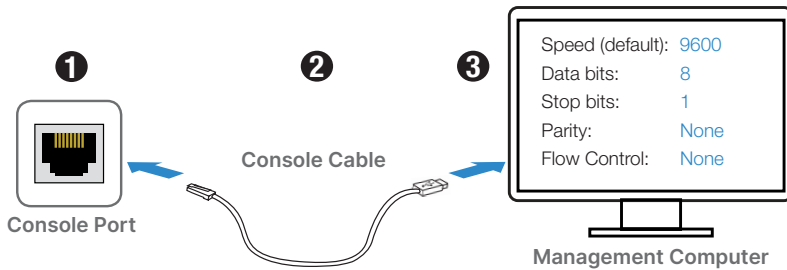
Set up your Fortinet device locally.

## GUI



**Note:** For static IP configuration, use 192.168.1.2 with subnet mask 255.255.255.0

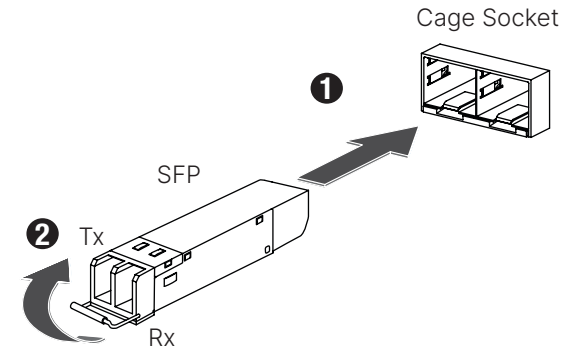
## CLI



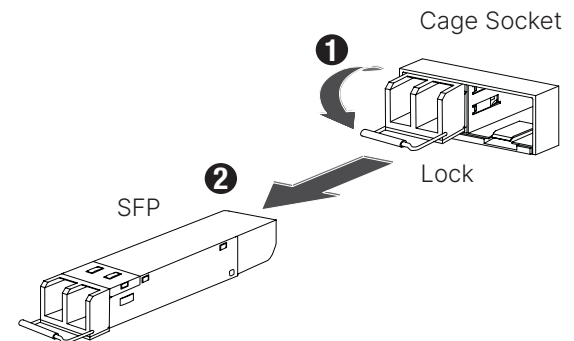
**Note:** For a detailed CLI guide, visit [docs.fortinet.com](https://docs.fortinet.com)

# SFP Modules

## Installation



## Removal



# Rack Installation

The FortiSwitch unit can be placed on a flat surface using the provided rubber feet, or mounted in any standard 19 inch rack unit with the provided mounting hardware.

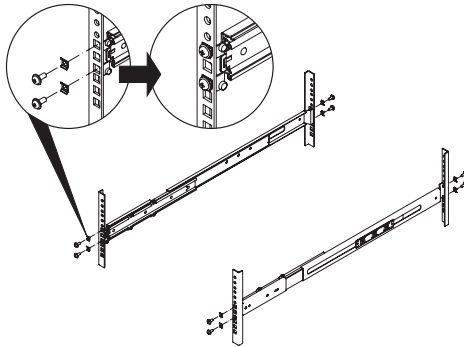
**Caution:** Electrostatic discharge (ESD) can damage your Fortinet equipment.

To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack.

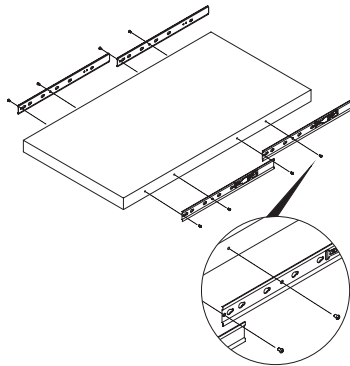
Do not place heavy objects on the unit.

## To install the unit into a rack

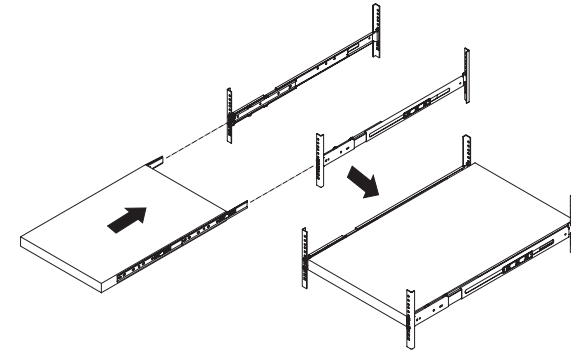
1. Verify there is enough room around where the unit will be mounted to allow for sufficient air flow.
2. Mount the outer rails to the rack.



3. Attach the inner rails to the device using the provided M4 waffle head screws.



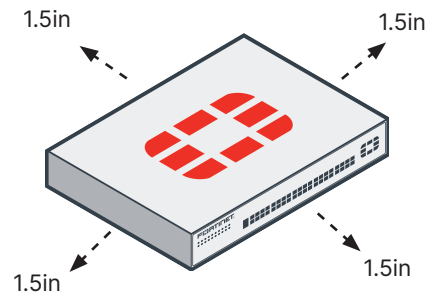
4. Attach the rail handles to the device using the provided M4 flat head screws.
5. Check that the inner rails are properly connected to the device and that the outer rails are securely attached to the rack.
6. Align the inner rails with the outer rails then slide the device onto the rails. Ensure that even pressure is applied to both sides of the device while doing this.



7. For additional security, insert and tighten the provided M6 screws to hold the front of the unit to the rack.
8. Plug the provided power cables into the rear of the unit, and then into grounded electrical outlets or separate power sources, such as an uninterruptible power supplies (UPS) or a power distribution units (PDU).

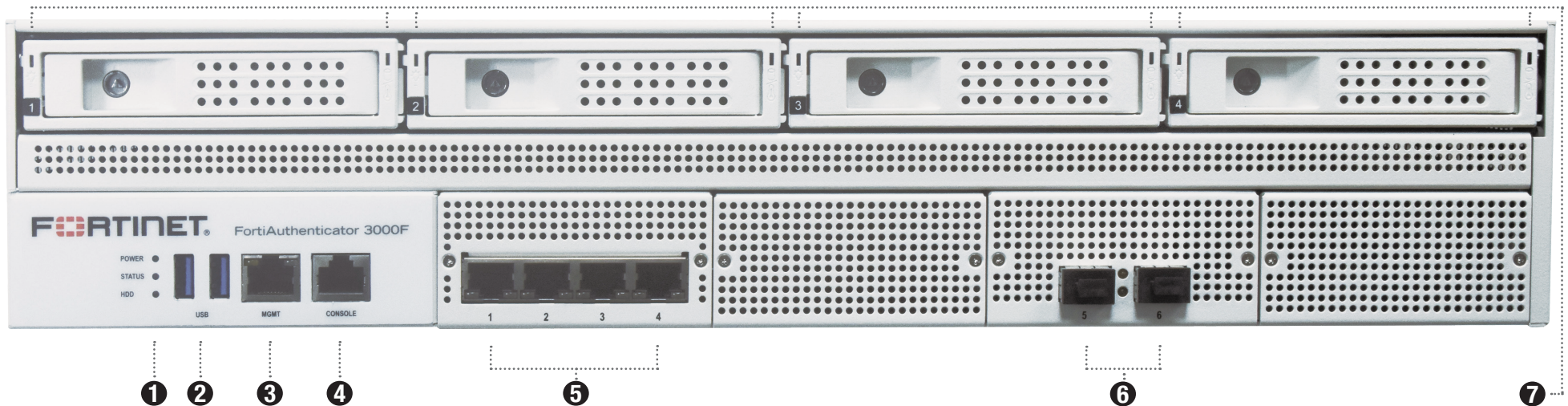
**Note:** Each power cable should be connected to a different power source. In this way, if one power source fails, the other may still be operational and the unit will not lose power.

## Desktop Mount



**Note:** Place the device on a flat, clean and stable surface.

# FAC-3000F - Front



## 1 POWER

- **Green:** Device is on
- **Off:** Device is off

HDD (not in use)

STATUS (not in use)

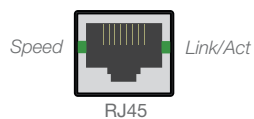
## 2 USB (USB A) 2x USB 3.0 server ports

## 3 CONSOLE (RJ45) CLI management computer interface

## 4 MGMT (not in use)

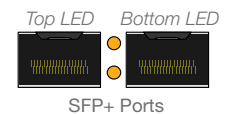
## 5 Ports 1 to 4 (RJ45)

- **Green:** Connected at 100Mbps
- **Amber:** Connected at 1000Mbps
- **Off:** Connected at 10Mbps or not in use
- **Green:** Connected
- **Flashing Amber:** Data activity
- **Off:** No link established



## 6 Ports 5 & 6 (SFP+)

- **Amber:** Connected at 10Gbps
- **Flashing Amber:** Transmitting & receiving data
- **Off:** No link established



## 7 Hard Disk Status

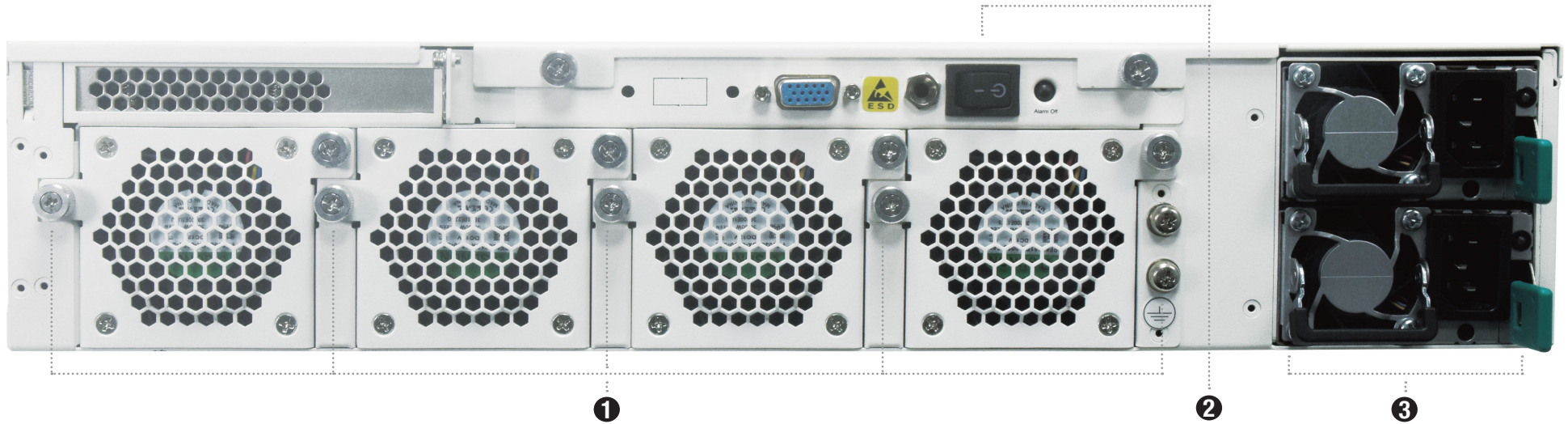
### Hard Disk Power (Left side LED)

- **Green:** Power supply normal
- **Off:** Power supply disconnected

### Hard Disk Activity (Right side LED)

- **Blue:** Hard disk in use
- **Off:** Hard disk not detected

## FAC-3000F - Rear



**1** Grounding Screws provide additional grounding

**2** Power Switch On/Off toggle

**3** Redundant Hot Swappable Power Supplies (x2)  
100-127/200-240VAC, 50/60Hz, 10/5A

### LED Indicators

- Green: PSU operating normally
- ⚡ Flashing Green: PSU in standby
- Amber: Critical event or power lost; secondary PSU powering the device
- ⚡ Flashing Amber: PSU warning event; device is on
- Off: No power detected



## Cautions and Warnings

### Environmental specifications

Ambient operating temperature: 0°C to 45°C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:

Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

**Elevated Operating Ambient** – If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T<sub>ma</sub>) specified by the manufacturer.

**Température ambiante élevée** – S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (T<sub>ma</sub>) stipulée par le fabricant.

**Reduced Air Flow** - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

**Ventilation réduite** – Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

**Mechanical Loading** - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

**Chargement Mécanique** – Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas liée à un chargement mécanique inégal.

**Circuit Overloading** - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

**Sur-tension** – Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

**Reliable Earthing** - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

**Fiabilité de la mise à la terre** – Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)

Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

### Safety

**Battery** – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

**Batterie** – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

警告  
本電池如果更換不正確會有爆炸的危險  
請依製造商說明書處理用過之電池

**CAUTION:** Shock Hazard. Disconnect all power sources.  
**ATTENTION:** Risque d'électrocution. Débranchez toutes les sources d'alimentation.

Laser Class 1 optical transceiver shall be used only  
L'émetteur-récepteur optique de classe 1 laser doit être utilisé uniquement

IEC 60825-1:2014 transfer to FDA/CDRH Complies with FDA performance standards for laser products except for conformance with IEC 60825-1 Ed.3., as described in Laser Notice No. 56, dated May 8, 2019.

IEC 60825-1:2014 transfert à la FDA/CDRH Conforme aux normes de performance de la FDA pour les produits laser, à l'exception de la conformité à la norme IEC 60825-1 Ed.3., comme décrit dans l'avis laser n° 56, daté du 8 mai 2019.

The SFP ports should use UL Listed Optional Transceiver product, Rated 3.3Vdc, Laser Class 1.  
Les ports SFP doivent utiliser un produit émetteur-récepteur en option répertorié UL, 3,3 Vdc, classe laser 1.

**Warning:** Class I Equipment. This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltage on accessible metal parts.

**Avertissement:** Équipement de classe I. Cet équipement doit être mis à la terre. La fiche d'alimentation doit être connectée à une prise de terre correctement câblée. Une prise de courant mal câblée pourrait placer une tension dangereuse sur les pièces métalliques accessibles.

**Warning:** All Ethernet cables are designed for intra-building connection to other equipment. Do not connect these ports directly to communication wiring or other wiring that exits the building where the appliance is located.

**Avertissement:** Tous les câbles Ethernet sont conçus pour une connexion intra-bâtiment à d'autres équipements. Ne connectez pas ces ports directement au câblage de communication ou à tout autre câblage qui sort du bâtiment où se trouve l'appareil.

## Regulatory Notices

### Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

**WARNING:** Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

**WARNING:** Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

### Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-003 (A) / NMB-003 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

### European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



### Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

V C C I - A

### Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法 (PSE) の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

### Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:

限用物質含有情況表 (RoHS Table) 請到以下 網址下載:

<https://www.fortinet.com/bsmi>

警告使用者：此為有線網路設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

請仔細閱讀以下說明  
本設備勿置於潮濕處。  
連接至電源前，請先檢查電壓。  
當設備不用時，請將所有電源線拔除，避免電壓不穩而造成傷害。  
勿將任何液體灑入設備中，避免線路短路。  
基於安全理由，只有受到專業訓練的從業人員，才可以打開本設備。  
請勿自行調整或修理已通電的設備，以確保您的安全。  
如不小心受傷，請立刻找急救人員給予您適當的救護，千萬別因傷勢輕微而忽略自己的傷勢。

請依照台灣法規處置電池。  
若不正確替換電池可能導致爆炸危險，替換電池時，請使用設備生產商推薦使用的電池。  
請勿拆卸、刺穿或以其他方式損壞電池。

雷射設備非用戶維修設備，請與生產商聯繫維修事宜。

注意：要斷開電源，請將所有電源線從本機上拔下

英屬蓋曼群島商防特網股份有限公司台灣分公司

地址：台北市內湖區行愛路176號2樓

電話：(02) 27961666

### China

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。这种情况下，可能需要用户对其采取切实可行的措施。



